

PA-IDC

| QUERY CONTROL FORM | | RTIS USE ONLY | |
|-----------------------------------|-------------------------|---------------------------------|--|
| Application No. <u>09/598,213</u> | Prepared by <u>NPB</u> | Tracking Number <u>05923892</u> | |
| Examiner-GAU <u>KIM-2871</u> | Date <u>5/4/04</u> | Week Date <u>03/22/04</u> | |
| | No. of queries <u>2</u> | <u>1FW</u> | |

| JACKET | | | |
|----------------------|------------------------|--------------------|----------------|
| a. Serial No. | f. Foreign Priority | k. Print Claim(s) | p. PTO-1449 |
| b. Applicant(s) | g. Disclaimer | l. Print Fig. | q. PTOL-85b |
| c. Continuing Data | h. Microfiche Appendix | m. Searched Column | r. Abstract |
| d. PCT | i. Title | n. PTO-270/328 | s. Sheets/Figs |
| e. Domestic Priority | j. Claims Allowed | o. PTO-892 | t. Other |

| SPECIFICATION | MESSAGE |
|---|---|
| a. Page Missing | <p>① PTO-1449 (4 pages): Please either initial or line through citations. (copy provided for reference).</p> <p>② Please verify page 9, line 2 of specification. Should this be "FIGS. 23A to 23D" instead of "FIGS. 23A to 24D" — typo?</p> <p>please advise/verify.</p> <p><i>[Signature]</i></p> |
| b. Text Continuity | |
| c. Holes through Data | |
| d. Other Missing Text | |
| e. Illegible Text | |
| f. Duplicate Text | |
| g. Brief Description | |
| h. Sequence Listing | |
| i. Appendix | |
| j. Amendments | |
| k. Other | |
| <p>CLAIMS</p> <p>a. Claim(s) Missing</p> <p>b. Improper Dependency</p> <p>c. Duplicate Numbers</p> <p>d. Incorrect Numbering</p> <p>e. Index Disagrees</p> <p>f. Punctuation</p> <p>g. Amendments</p> <p>h. Bracketing</p> <p>i. Missing Text</p> <p>j. Duplicate Text</p> <p>k. Other</p> | |
| <p>RESPONSE</p> <p><i>[Signature]</i></p> <p>initials <i>Am</i></p> | |
| <p>initials</p> | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

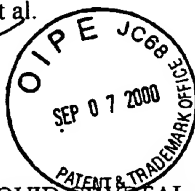
In re Application of: KIM et al.

Group Art Unit: 2871

Serial No.: 09/598,213

Examiner: Unknown

Filed: June 21, 2000



For: MULTI-DOMAIN LIQUID CRYSTAL DISPLAY DEVICE

RELATED CASES STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

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TECHNOLOGY CENTER 2800

Sir:

Applicant hereby provides a list of pending U.S. applications or issued patents which may be related to the present application.

| <u>Examiner's Initial</u> | <u>U.S. Serial Number</u> | <u>Filing Date</u> | <u>Inventor Name</u> | <u>Our Ref.</u> |
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| _____ | 09/250,262 | 02/1999 | KIM et al. | 8733.6881 |
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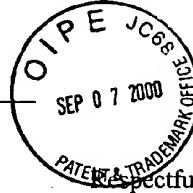
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09/598,213

RELATED CASES STATEMENT

| <u>Examiner's Initial</u> | <u>U.S. Serial Number</u> | <u>Filing Date</u> | <u>Inventor Name</u> | <u>Our. Ref.</u> |
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| _____ | 09/541,426 | 04/2000 | KIM et al. | 8733.20102 |
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| _____ | 09/618,165 | 07/2000 | CHOI et al. | 8733.039.20 |

Date Considered: _____



Respectfully submitted,

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| Form PTO 1449 (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE APR 05 2001 | | ATTY. DOCKET NO.: 8733.233.00 RECEIVED APR -6 2001 | | SERIAL NO.: 09/598,213 | |
| LIST OF REFERENCES CITED BY APPLICANT (Use Several Sheets if Necessary) | | | | FILING DATE: June 21, 2000 2800 MAIL ROOM | | GROUP: 2871 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
| | AA | 5,249,070 | 05/1993 | TAKANO | 359 | 54 | |
| | AB | 5,623,354 | 04/1997 | LIEN et al. | 349 | 124 | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION YES NO | | |
| | AC | 0 884 626 | 12/1998 | Europe | | | x |
| | AD | 961 0774 | 04/1996 | WO | | | x |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
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| | AG | N. Koma, Y. Baba, K. Matsuoka, No-Rub Multi-Domain TFT-LCD Using Surrounding-Electrode Method, SID Digest, 1995, pgs. 869-872 | | | | | |
| | AH | H. Murai, M. Suzuki, S. Kaneko, Novel High Contrast Random and Controlled 4-Domain CTN-LCDs with Wide Viewing Angle, Euro Display '96, pgs. 159-161 | | | | | |
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| EXAMINER: | | | | DATE CONSIDERED: | | | |
| *EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

DC:74361

VII of Fig. 21A;

Figs. 23A to 24D are sectional views taken along the line VIII-VIII of Fig. 21A;

Fig. 24 is a sectional view taken along the line IX-IX of Fig. 21B;

Figs. 25A to 25C are plan views of the multi-domain liquid crystal display devices according to the fifteenth embodiment of the present invention;

Figs. 26A to 26C are plan views of the multi-domain liquid crystal display devices according to the sixteenth embodiment of the present invention;

Figs. 27A to 27C are plan views of the multi-domain liquid crystal display devices according to the seventeenth embodiment of the present invention;

Figs. 28A to 28C are plan views of the multi-domain liquid crystal display devices according to the eighteenth embodiment of the present invention;

Figs. 29A to 29C are plan views of the multi-domain liquid crystal display devices according to the nineteenth embodiment of the present invention;

Figs. 30A and 30B are plan views of the multi-domain liquid crystal display devices according to the twentieth embodiment of the present invention;

Figs. 31A to 31E are views showing the forming process